

Information for File #2007-2400-RMG

Applicant	Milwaukee County
Corps Contact	Rebecca Gruber
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Phone	(262) 547-4171, extension 3
Primary County	Milwaukee
Section	5
Township	7 North
Range	22 East
Information Complete On	July 30, 2007
Posting Expires On	September 7, 2007
Authorization Type	Letter of Permission: Section 404 Clean Water Act

This application has been reviewed in accordance with the practices for documenting Corps jurisdiction under Section 404 of the Clean Water Act. We made an approved determination on May 10, 2007 that the aquatic resource impacted by the proposed project is regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our approved jurisdictional determination was posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/> on May 17, 2007.

Project

PROJECT DESCRIPTION AND PURPOSE:

Milwaukee County and the Wisconsin Department of Natural Resources have applied for Corps authorization to remove PCB contaminated sediment from the Blatz Pavilion Bay (an embayment of the Milwaukee River) located in Lincoln Park. The project will remove approximately 3,900 cubic yards of contaminated sediment from approximately 1 acre of the bay. Removed sediment would be transported and disposed of (depending on contaminant level) at either an approved landfill, or out of the state at an approved facility. Temporary construction impacts would include the construction of an equipment ramp to bring equipment over the existing bay wall, the construction of an access ramp, and the placement of a water dam along the confluence of the bay and the river channel. Post dredging, the site grade is proposed to be restored to essentially to the same grade. An existing storm sewer will be extended from the north-west corner of the bay to

preclude erosion. Backfill for grade restoration would include a clean base layer of rock with a cap of clean sand. This is the first of two projects intended to clean up contaminated sediment in the Lincoln Park area. A larger project is expected to follow that would remove contaminated sediment from the ox bow island area immediately north of the bay.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS)
SUBJECT TO LOSS:**

The Blatz Pavilion Bay was determined (May 10, 2007) to be a “water of the United States” subject to regulation pursuant to Section 404 of the Clean Water Act. Approximately 1 acre (the entire bay) would be dredged and backfilled as a result of this project. The Milwaukee River in this location is on the Environmental Protection Agency’s list of impaired waters in Wisconsin (the 303(d) list).

ALTERNATIVES CONSIDERED:

The purpose of this project is to remediate the contamination in the Blatz Pavilion Bay. No action and capping alternatives were considered. However, the no action alternative would not meet the goal of the project, and capping was determined to be a less environmentally sound means for remediation. The Lincoln Park area has been identified as containing the largest concentration of PCB’s in the Milwaukee River basin.

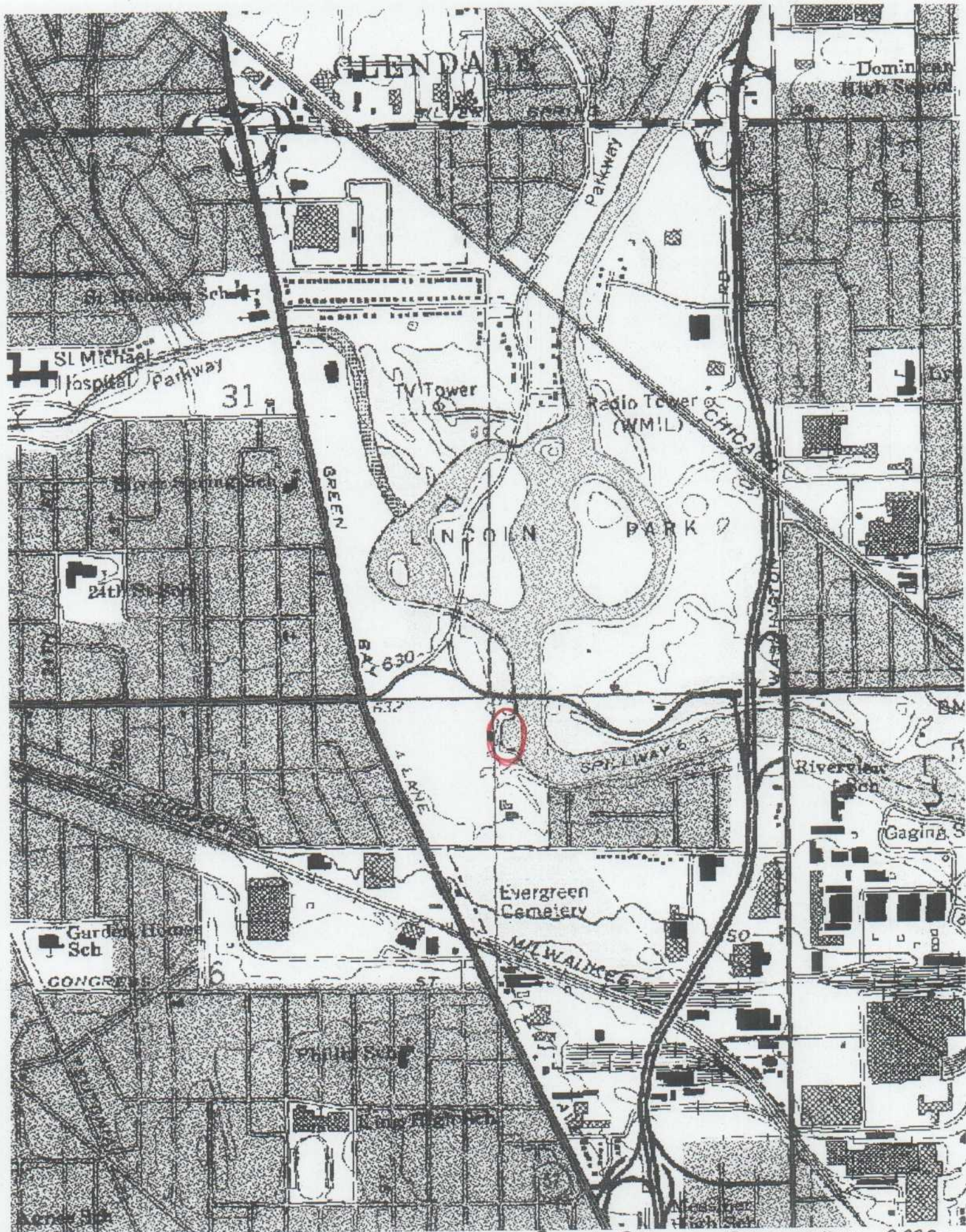
**PROJECT INVOLVES: POTENTIAL WISCONSIN STATE HISTORIC
PRESERVATION OFFICE CONCERNS:**

By means of this notice, we are coordinating this application with the Wisconsin State Historic Preservation Office. A search conducted on the Wisconsin Historical Society database confirms the presence of several cultural sites in the area (MI-0127, MI-0221, MI-335, and MI-0129). We also note that the area was investigated previously (Bibliography of Archaeological Records file 1378). It is the Corps opinion that the work proposed is not likely to affect any cultural resources eligible for, or included in, the National Register of Historic Places. The proposed work would not result in the removal or disruption of soils not previously impacted during bay construction. Further, the existing bay wall (not noted during our database search) would not be permanently impacted. Temporary construction impacts related to equipment movements have been designed to eliminate any direct wall impacts (a ramp would be constructed over the wall, to be removed upon project completion). Further, the temporary equipment ramp is not anticipated to result in any undue weight loading which may contribute to structural instability of the wall.

COMPENSATORY MITIGATION:

No compensatory mitigation has been required by the Corps of Engineers for this project.

Drawings See attached pages 2007-2400-RMG 1 of 3 to 3 of 3.



HAMPTON AVE.

MILWAUKEE RIVER

0 10 20 40
SCALE IN FEET

LEGEND

- GROUND SURFACE CONTOURS
- FINAL SURFACE CONTOURS
- PCB POLYCHLORINATED BIPHENYLS
- BM-1 BENCHMARKS
- UNDERGROUND ELECTRIC
- UNDERGROUND SANITARY LINE
- UNDERGROUND STORM LINE
- TELEPHONE LINE
- SHORELINE (VARIES)
- TEMPORARY CHAIN LINK FENCE
- TEMPORARY STORM SEWER DISCHARGE PIPE
- SILT FENCE
- SHEET PILING (OPTIONAL)
- EMBAYMENT AREA
- WATER INFLATED DAM
- SIGN
- CATCH BASIN
- LIGHT POLE
- MANHOLE
- TREE
- ASPHALT OR CONCRETE PAVEMENT
- SAND MATERIAL
- FLOW DIRECTION

CONTRACTOR SEQUENCING NOTES:

- BACKFILL EMBAYMENT AREA WITH 12 INCHES OF SAND MATERIAL ATOP OF INTERIM GRADING SURFACE TO MATCH FINAL GRADE EXCLUDING 10' WIDE SUBSURFACE DRAIN AREA. AS SHOWN, NON WOVEN GEOTEXTILE SHALL BE PLACED AT THE LIMIT OF EMBAYMENT AREA ALONG SHORELINE, REFER TO SECTION C.
- CONSTRUCT 10' WIDE SUBSURFACE DRAIN WITH 3-INCH CLEAR STONE, NON WOVEN GEOTEXTILE, AND SAND MATERIAL ATOP OF INTERIM GRADING SURFACE UP TO RAMP EDGE. REFER TO SECTION D. SUBSURFACE DRAIN SHALL EXTEND TO THE LIMIT OF EMBAYMENT AREA NEAR SHORELINE. TOP OF SUBSURFACE DRAIN SHALL MATCH FINAL GRADE.
- REMOVE RAMP GRANULAR BACKFILL MATERIAL TO MATCH INTERIM GRADE. PLACE 12-INCHES OF SAND MATERIAL AND COMPLETE THE STORM SEWER OUTFALL AND SUBSURFACE DRAIN ATOP OF INTERIM GRADING SURFACE TO MATCH FINAL GRADE.
- REMOVE SHEET PILING AS NEEDED WITHIN EMBAYMENT AREA ONCE BACKFILLED TO FINAL GRADE.
- REMOVE WATER INFLATED DAM, NON WOVEN GEOTEXTILE AND SAND BAGS PER MANUFACTURERS SPECIFICATIONS AND MINIMIZING SEDIMENT DISTURBANCE.
- REMOVE DOWATERING TREATMENT SYSTEM, EQUIPMENT AND PIPING AT PROJECT COMPLETION.
- REMOVE TEMPORARY STORM SEWER DISCHARGE PIPE.
- REMOVE ACCESS ROAD, TRACKING PAD AND LAYDOWN AREA MATERIALS AT PROJECT COMPLETION. DISTURBED AREAS SHALL BE RESTORED AND SEEDS AS NECESSARY TO PRE-EXISTING CONDITION IN ACCORDANCE WITH MILWAUKEE COUNTY PARKS SPECIFICATIONS. EROSION MATTING OR MULCH SHALL BE PLACED AFTER AREAS ARE SEEDS IN ACCORDANCE WITH MILWAUKEE COUNTY PARKS SPECIFICATIONS.
- REMOVE TEMPORARY CHAIN LINK FENCE, CATCH BASIN INLET FABRIC, SILT FENCE AND SIGNS AFTER DISTURBED AREAS ARE RESTORED.
- CONTRACTOR SHALL CORRECT, AT NO EXPENSE, ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AS A RESULT OF CONSTRUCTION.

CONSTRUCTION REQUIREMENTS:

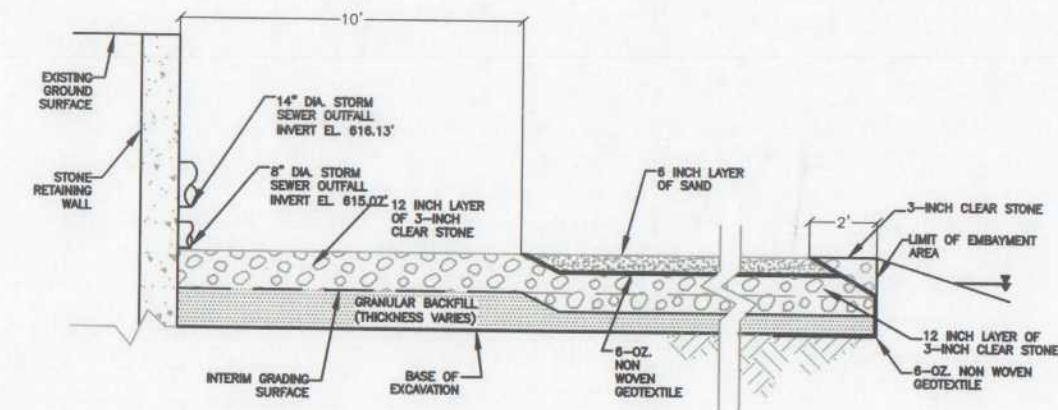
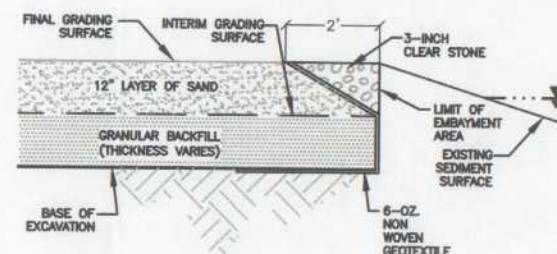
- CONSTRUCTION EQUIPMENT MAY NOT GET ANY CLOSER THAN 5 FT. FROM STONE RETAINING WALL BEFORE COMPLETING PLACEMENT OF COMPACTED GRANULAR FILL MATERIAL IN FRONT OF THE WALL AS PART OF RAMP CONSTRUCTION.
- NO TRUCKS ARE ALLOWED TO STAGE ON HAMPTON AVE. TRUCKS ONLY TO BE STAGED IN AREAS APPROVED BY MILWAUKEE COUNTY.
- NO EQUIPMENT IS ALLOWED DIRECTLY ON UNDISTURBED SEDIMENT. HOWEVER, PERSONNEL MAY ACCESS UNDISTURBED SEDIMENT ON A LIMITED BASIS AS APPROVED BY ENGINEER.
- EXCAVATED SEDIMENT MAY ONLY BE STOCKPILED WITHIN EMBAYMENT AREA ATOP OF BACKFILLED SURFACE. MORE THAN ONE STOCKPILE MAY BE ALLOWED AS APPROVED BY ENGINEER. HOWEVER, NO MORE THAN 100 CY. WILL BE ALLOWED FOR ANY ONE STOCKPILE. A PLASTIC LINER SHALL BE PLACED ATOP OF BACKFILLED SURFACE PRIOR TO STOCKPILING OF EXCAVATED SEDIMENT. EXCAVATED SEDIMENT MAY BE PLACED ATOP OF UNDISTURBED SEDIMENT SURFACE, ONLY IF APPROVED BY ENGINEER. STOCKPILES TO REMAIN OVERNIGHT SHALL BE COVERED WITH PLASTIC LINER AND ANCHORED.
- SEDIMENT MATERIAL MUST BE ADEQUATELY DEWATERED PRIOR TO TRANSPORTATION PER WDOT REQUIREMENTS. CONTRACTOR SHALL PROVIDE TRUCK BED LINERS AND/OR ABSORBENT MATERIAL, AS NEEDED.
- SURFACE WATER ACCUMULATED WITHIN THE EMBAYMENT AREA SHALL BE TREATED AND DISPOSED TO SANITARY SEWER, AS NECESSARY TO CONDUCT WORK.

SOURCE NOTES:
1. THIS DRAWING WAS DEVELOPED FROM A SURVEY MAP BY KAPUR & ASSOCIATES, INC., MILWAUKEE, WISCONSIN, TOPOGRAPHIC SURVEY/BLATZ PAVILION, SHEET 1 OF 1, DATED JUNE 4, 2007, FILE NO. 070808.DWG. VERTICAL DATUM IS (NAD 83/77), HORIZONTAL DATUM IS (NAD 83).
2. SANITARY/STORM LINES AND STRUCTURES DEVELOPED FROM A DRAWING PROVIDED BY MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, MILWAUKEE, WISCONSIN, MILWAUKEE COUNTY PARKS, SHEET C-00, LINES AND STRUCTURES ARE APPROXIMATE.
3. TEST PIT AND CORE LOCATIONS SURVEYED BY MAY DECEMBER 28, 2006.

C RIVER EDGE RESTORATION SECTION NOT TO SCALE

NOTES:

- SITE BENCHMARK BM-1 IS A CHISELED "X" IN TOP OF CONCRETE BRIDGE ABUTMENT PARAPET WALL, 2.3 FT. ABOVE TOP OF CONCRETE WALK AT ELEVATION 635.215 FT. (NGVD 29).
- SITE BENCHMARK BM-2 IS A CHISELED "X" IN TOP OF CONCRETE BRIDGE ABUTMENT PARAPET WALL, 2.3 FT. ABOVE TOP OF CONCRETE WALK AT ELEVATION 635.140 FT. (NGVD 29).
- SITE BENCHMARK BM-3 IS A RAILROAD SPIKE IN NORTHWEST FACE OF 30 IN. LINDEN 1.4 FT. ABOVE GROUND AT ELEVATION 632.866 FT. (NGVD 29).
- EMBAYMENT SHOWN DURING LOW RIVER LEVEL (ESTABROOK DAM OPEN) ELEVATION OF RIVER IN MAY 2007 WAS 611.8 FT.
- CONTOURS IN EMBAYMENT REFLECT TOP OF SEDIMENT.
- COUNTY TO PROVIDE RIGHT-OF-ENTRY PERMIT FOR CONTRACTOR TO CONDUCT WORK ON PROPERTY.



D STORM SEWER OUTFALL AND SUBSURFACE DRAIN SECTION NOT TO SCALE

6.			
5.			
4.			
3.			
2.			
1.			
0.	ISSUED FOR PERMIT (90% DESIGN)	07/12/07	JAZ
REVISION:		DATE:	APP'D BY:

NATURAL
RESOURCE
TECHNOLOGY

PROJECT NO. 1845/7.0	SITE RESTORATION PLAN	REMEDIAL CONSTRUCTION LINCOLN PARK/BLATZ PAVILION SITE WISCONSIN DEPARTMENT OF NATURAL RESOURCES MILWAUKEE, WISCONSIN
DRAWN BY: BJK/RLH 07/09/07		
CHECKED BY: HMS 07/11/07	DRAWING NO: D1845C040-00	SHEET NO. C040
APPROVED BY: JAZ 07/12/07	REFERENCE:	

